**Craig S. Coker**

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**EXPERIENCE:**

**2005- present.** *Coker Composting and Consulting, Troutville, VA.* **Principal.**  A sole proprietorship providing technical and managerial support to private and public organics recycling programs and composting facilities in planning, permitting, design, construction, and operations and in product marketing and sales. Over 300 completed projects since 2005. See [www.cokercompost.com](http://www.cokercompost.com) for project descriptions.

**2007-present.** *BioCycle CONNECT, Emmaus PA.* **Senior Editor.** Writer and editor of technical articles for national trade weekly electronic periodical in the fields of composting and anaerobic digestion.

**2003- 2006.** *McGill Environmental Systems of NC, Inc., Harrells, NC.* **Technical Advisor.** Provided composting technical support to two 80,000 ton-per-year (tpy) multi-feedstock enclosed aerated static pile solid waste/biosolids composting facilities. Managed planning, permitting, and design of new 130,000 tpy aerated static pile solid waste composting facility in Waverly, VA.

**2001- 2003.** *Mountain Organic Materials, LLC, Candler, NC.* **Vice President & Operations Manager.** Planning, design, construction and operation of 8,000 tpy aerated bin dairy manure composting operation at 650-head dairy farm. Directed product sales for compost and compost-amended topsoil. Management of wood waste recycling center, including retail and wholesale sales. Development of proprietary aerated composting bin technology.

**1998-2001.**  *NC Dept. of Environment & Natural Resources, Div. Of Pollution Prevention & Env. Assistance, Raleigh, NC.* **Composting Specialist.** Provided technical assistance to solid and animal waste composting industry (source-separated organics collection/transport, facility planning and siting, compost process control and product marketing). Served as technical resource in development of site-specific equipment, technology and operational solutions for existing and planned organics recycling operations.

**1983-1998.** *Parsons Engineering Science, Inc., Fairfax, VA.* **Senior Associate.** Managed projects in facilities planning, engineering, construction and operation of wastewater treatment and biosolids management facilities (composting, incineration, drying).

**1980-1983.** *Montgomery County, Maryland Department of Environmental Protection, Rockville, MD.* **Senior Environmental Planner**. Oversaw two projects in biosolids composting planning, design, construction and operation (Dickerson Interim Composting Facility, WSSC Composting Facility in Calverton, MD); wastewater treatment plant siting (Rock Run AWT); and solid waste management planning (Dickerson Quarry Balefill).

**1975-1980.** *Planning Research Corporation/Toups & Loiderman Engineers, Rockville, MD*. **Project Manager**. Managed projects in biosolids composting (siting, facility planning) and environmental assessments/impact statements.

**LICENSES, CERTIFICATIONS, & EDUCATION**

**2009-2022.** Virginia Nutrient Management Planner

**2007.** Virginia Waste Management Facility Operator License # 4605 002846, expires 8/31/2023

**2004.** *Solid Waste Association of North America.* Certified Compost Systems Manager. Certificate No. 57591

**2001.** *University of Maine Cooperative Extension.* Certificate of Technical Competence in Composting

**2000.** *University of Georgia.* Completion of Compost Operator Training Course

**1980.** *George Washington University, Washington, DC,* M.S. in Sanitary Engineering

**1975**.  *University of Virginia, Charlottesville, Virginia*. B.A. in Environmental Science

**PROFESSIONAL AFFILIATIONS & BOARD SEATS**

Virginia Recycling Association – Board of Directors (2013 - 2017)

Bedford County (VA) Economic Development Authority - Board of Directors (2009 – 2014, Chairman 2013-2014)

Virginia Composting Council - Chairman, Board of Directors (2011 - 2014)

U.S. Composting Council – Board of Directors (2005-2008, 2009 - 2012)

Water Environment Federation – Biosolids Management Committee (2003-2007, 1989-1994)

North Carolina Composting Council – Board of Directors (1997-2011, President 2003-2005)

Carolina Recycling Association – Board of Directors (2001-2003)

Solid Waste Association of North America – member

American Biogas Council – member

### PERSONAL

Born Dec. 23, 1953 in Auckland, New Zealand. Naturalized American Citizen. Married

# articles and Publications

 “Bulking Agent Selection in Compost Plant Design”, *Compost Science*, November 1979

“Multiple Hearth ReHeat-OXidation Process”, 19th National Conference on Municipal Sewage Treatment Plant Sludge Management, June 1989. Also published in conference proceedings.

“Dewatering Municipal Sewage Sludge for Incineration”, *Water Environment and Technology,* Vol. 3, No. 3, March 1991

“Impact of the Ocean Dumping Ban Act”, WPCF Specialty Conference on Residuals Management, August 1991. Also published in conference proceedings.

“Alkaline Stabilization Processes”, WPCF Specialty Conference on Residuals Management, August 1991. Also published in conference proceedings.

“Evaluation of In-Vessel Composting Technologies”, 64th Annual WPCF Conference, October 1991. Also published in conference proceedings.

“Co-composting municipal sewage sludge with leaves, yard wastes and other recyclables a case study”, Air & Waste Management Association. 85th Annual Meeting and Exhibition, Kansas City, Missouri, June 1992. Also published in conference proceedings.

“Pathogen Inactivation Using Thermal and Digestion Processes”, 65th Annual Water Environment Federation Conference, October 1992. Also published in conference proceedings.

Water Environment Federation, Beneficial Use Programs for Biosolids Management, 1994 (contributing author)

“Special Events: The Role of Recycling and Composting”, *Resource Recycling*, September, 1999, p. 26

“North Carolina Builds Organics Recycling Infrastructure”, *BioCycle,* Vol. 41, No. 1, January 2000, p. 48

“Food Wastes Composting at the 1999 Special Olympics World Summer Games”, proceedings of the Y2K Composting in the Southeast Conference, October 2000

“Turning Food Scraps Into Feedstock”, *Resource Recycling*, November 2000

“Characterizing the Composting Industry”, *BioCycle,* Vol. 45, No. 12, December 2004, p. 20

“Emissions and Air Quality Compliance”, *BioCycle,* Vol. 47, No. 1, January 2006, p. 37

“Composting Grease Trap Wastes”, *BioCycle,* Vol. 47, No. 8, August 2006, p. 27

“Environmental Remediation By Composting”, *BioCycle,* Vol. 47, No. 12, December 2006, p. 18

“What’s New in Grinders”, *BioCycle,* Vol. 48, No. 1, January 2007, p. 24

“Smart Financing”, *BioCycle,* Vol. 48, No. 2, February 2007, p. 23

“Smart Equipment Purchasing and Leasing”, *BioCycle,* Vol. 48, No. 3, March 2007, p. 18

“What’s New in Live Bottom Trailers”, *BioCycle,* Vol. 48, No. 4, April 2007, p. 20

“Turning Waste Into Black Gold”, *2007 Public Works Manual*, May 2007

“Composting Site Remediation Success”, *BioCycle*, Vol. 48, No. 5, May 2007, p. 35

“Smart Operator Training”, *BioCycle*, Vol. 48, No. 6, June 2007, p. 22

“Compost Data Tracking and Analysis”, *BioCycle*, Vol. 48, No. 7, July 2007, p. 26

“What’s New in Baggers & Blenders”, *BioCycle*, Vol. 48, No. 8, August 2007, p. 45

“Smart Equipment Maintenance”, *BioCycle,* Vol. 48, No. 10, November 2007, p. 29

“What’s New in Windrow Turners”, *BioCycle,* Vol. 48, No. 10, November 2007, p. 19

“Compost Storm Water: Is It A Problem?” (Parts 1 – 3), *BioCycle,* Vol. 49, No. 2-4, Feb – May 2008

“Collecting Source-Separated Organic Material”, *BioCycle*, Vol. 50, No. 1, January 2009, p. 23

“Compost Economics”, *On-Farm Composting Handbook, 2nd Edition*, NRAES, in press

“Uncle Sam Buys Green”, *BioCycle*, Vol. 50, No. 3, March 2009, p. 25

“Composting Integrated Into Family Business”, *BioCycle*, Vol. 50, No. 10, October 2009

“GIS Tools to Streamline Organics Diversion”, *BioCycle*, Vol. 51, Nos. 3 & 4, March & April, 2010

“Selecting A Slow-Speed Shredder”, *BioCycle*, Vol. 51, No. 7, July 2010

“Controlling Costs in Compost Manufacturing”, *BioCycle*, Vol. 51, No. 9, September 2010

“Add a Dash of Carbon”, *BioCycle*, Vol. 52, No. 12, December 2011

“Composting Process Optimization”, *BioCycle*, Vol. 53, No. 1, January 2012

“Managing Odors in Organics Recycling”, *BioCycle*, Vol. 53, No. 4, April 2012, p. 25

“Odor Defense Strategy”, *BioCycle*, Vol. 53, No. 5, May 2012, p. 35

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Persistent Herbicide Fact Sheets, U.S. Composting Council, March 2015

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“Composting Business Management: Revenue Forecasts for Composters”, *BioCycle* CONNECT, March 3, 2020

“Composting Business Management: Capital Cost of Composting Facility Construction”, *BioCycle* CONNECT, March 10, 2020

“Composting Business Management: Composting Facility Operating Cost Estimates”, *BioCycle* CONNECT, March 17, 2020

“Composting Business Management: Net Present Value of Composting Expenditures”, *BioCycle* CONNECT, March 24, 2020

“Composting Business Management: Composter Tool for Triple Bottom Line Assessment”, *BioCycle* CONNECT, April 7, 2020

“Compost Utilization in Crop Production”, Chapter 7. Compost Utilization in Ornamental and Nursery Crop Production and Chapter 11. Compost Teas Uses in Horticultural Crops, Taylor and Francis Publishers, Dec. 2020

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“Spontaneous Combustion in Composting: The Causes”, *BioCycle* CONNECT, July 13, 2021

“Spontaneous Combustion in Composting: Prevention and Extinguishing”, *BioCycle* CONNECT, July 20, 2021

“Soil Organic Matter Mandates” and “Soil Profile Rebuilding Using Compost”, *BioCycle* CONNECT, July 23, 2021

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“Food Depackaging: The Systems”, *BioCycle* CONNECT, October 5, 2021

“Facility Design: Food Waste Preprocessing”, *BioCycle* CONNECT, November 30, 2021

“Facility Design: Managing Residuals from Food Waste Preprocessing”, *BioCycle* CONNECT, December 7, 2021

“Calculating A Composting Facility Footprint” *BioCycle* CONNECT, April 12, 2022

“Compost Facility Planning: Waste Capture Plans”, *BioCycle* CONNECT, April 25, 2022

“The Composting Handbook”, Chapter 2. Enterprise Planning and Chapter 15. Composting Economics, Elsevier Publishers, 2022.